andte

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Ser Gln His Gln Thr Gln Pro Gln Leu Gln Pro Gln Leu Pro Pro Gln 595 600 605

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_	_				_	Ğĺy	_		_				_			
				85					90					95		
gtg	atg	gga	aat	gac	ctg	gga	ttc	cca	cag	cag	ggc	caa	atc	agc	ctt	336
						Gly										
			100					105					110			
tcc	tcg	ggg	gaa	aca	gac	tta	aag	ctt	ttg	gaa	gaa	agc	att	gca	aac	384
						Leu	Lys									
		115					120					125				
ctc	aat	agg	tcg	acc	agt	gtt	cca	gag	aac	ccc	aag	agt	tca	gca	tcc	432
Leu		Arg	Ser	Thr	Ser	Val	Pro	Glu	Asn	Pro	_	Ser	Ser	Ala	Ser	
	130					135					140					



										•						
	_	gtg Val		_	_				_							480
	_	gta Val			-	-			_	_		_				528
		ggc Gly				_				_		_			_	576
	_	cag Gln 195	_	_											_	624
		agt Ser			_		_	_	_		_	-		_	_	672
		cct Pro	_			-	_	-				_	_			720
		gag Glu														768
	-	gat Asp			_	_	_	_		_		-		-		816
_		caa Gln 275				_		_	_			_		_		864
		gta Val		_				_			_		_	_	_	912
		cct Pro														960
-		ggt Gly		_					-							1008
		gca Ala														1056



gtc a Val I						_			-					_		1104
gga t Gly S 3			_	_		_			-			_				1152
ggt c Gly A 385	_		_							_		_	_	_		1200
gat g Asp V	-	_					_				_					1248
cct c Pro P		_		_					_	_	_	_	-		_	1296
agg g Arg A			-												_	1344
gtg t Val P 4			_	_	-	_	_		_	_	_		_	_	_	1392
ttc g Phe G 465		_	_	-	_	_	_	_				_	_	_	_	1440
gag t Glu C																1488
gtc g Val V																1536
cag a Gln L	ys															1584
ggc a Gly A 5			-	_	_											1632
gag a Glu I 545																1680



_	cta Leu			-	_		_	_	_	_			_			1728
	tcc Ser															1776
	cag Gln	_				-			_		-			_		1824
_	agt Ser 610									_	-	-	_			1872
	ata Ile												-			1920
-	aaa Lys							_			_		-	_		1968
	tta Leu													_	_	2016
_	cgc Arg		_		-	_	_								-	2064
	tat Tyr 690	Thr	Arg	Asp		Tyr	Lys	Met	Āla	Gly	Met	Āla	-			2112
	gac Asp															2160
	gtc Val	_						_				_	_	_		2208
	ggc Gly															2256
	gac Asp															2304



_	_		-		tac Tyr	_	_	_		-					_	2352
_	_	_			cag Gln 790		_		_	_				_		2400
		_			ccc Pro								_	_		2448
_		_		_	gtc Val	_	_			_			-			2496
		_			cgg Arg	-		_	-		_	_	-			2544
_			_		att Ile	-	-	_		_			_			2592
_	_		_	_	cat His 870	_		_		_		_				2640
		_		_	aac Asn	_		_		_		_	_	_		2688
					cct Pro											2736
					acg Thr											2784
Gln				-	tcc Ser	_				-		_		_		2832
					gtc Val 950											2880
	_				atc Ile	-	_	_			_	-		_	_	2928





Ala Val Thr Ala Ser Ser Thr Thr Ser Ala Val Pro Met Gly Asn Gly 980 985 990	2976
gtt gga gtc ggt gtt ggg gtg ggc ggc aac gtc agc atg tat gcg aac Val Gly Val Gly Val Gly Gly Asn Val Ser Met Tyr Ala Asn 995 1000 1005	3024
gcc cag acg gcg atg gcc ttg atg ggt gta gcc ctg cat tcg cac caa Ala Gln Thr Ala Met Ala Leu Met Gly Val Ala Leu His Ser His Gln 1010 1015 1020	3072
gag cag ctt atc ggg gga gtg gcg gtt aag tcg gag cac tcg acg act Glu Gln Leu Ile Gly Gly Val Ala Val Lys Ser Glu His Ser Thr Thr 1025 1030 1035 1040	3120
gca tag Ala	3126
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GECR  <400> 9  Met Asp Ser Lys Glu Ser Leu Thr Pro Gly Arg Glu Glu Asn Pro Ser  1 5 10 15  Ser Val Leu Ala Gln Glu Arg Gly Asp Val Met Asp Phe Tyr Lys Thr	
GECR  <400> 9 Met Asp Ser Lys Glu Ser Leu Thr Pro Gly Arg Glu Glu Asn Pro Ser 1	
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Ser	Ser	Gly 115	Glu	Thr	Asp	Leu	Lys 120	Leu	Leu	Glu	Glu	Ser 125	Ile	Ala	Asn
Leu	Asn 130	Arg	Ser	Thr	Ser	Val 135	Pro	Glu	Asn		Lys 140	Ser	Ser	Ala	Ser
Thr 145	Ala	Val	Ser	Ala	Ala 150	Pro	Thr	Glu	Lys	Glu 155	Phe	Pro	Lys	Thr	His 160
Ser	Asp	Val	Ser	Ser 165	Glu	Gln	Gln	His	Leu 170	Lys	Gly	Gln	Thr	Gly 175	Thr
Asn	Gly	Gly	Asn 180	Val	Lys	Leu	Tyr	Thr 185	Thr	Asp	Gln	Ser	Thr 190	Phe	Asp
Ile	Leu	Gln 195	Asp	Leu	Glu	Phe	Ser 200	Ser	Gly	Ser	Pro	Gly 205	Lys	Glu	Thr
Asn	Glu 210	Ser	Pro	Trp	Arg	Ser 215	Asp	Leu	Leu	Ile	Asp 220	Glu	Asn	Cys	Leu
Leu 225	Ser	Pro	Leu	Ala	Gly 230	Glu	Asp	Asp	Ser	Phe 235	Leu	Leu	Glu	Gly	Asn 240
Ser	Asn	Glu	Asp	Cys 245	Lys	Pro	Leu	Ile	Leu 250	Pro	Asp	Thr	Lys	Pro 255	Lys
Ile	Lys	Asp	Asn 260	Gly	Asp	Leu	Val	Leu 265	Ser	Ser	Pro	Ser	Asn 270	Val	Thr

Leu Pro Gln Val Lys Thr Glu Lys Glu Asp Phe Ile Glu Leu Cys Thr 275 280 285

Pro Gly Val Ile Lys Gln Glu Lys Leu Gly Thr Val Tyr Cys Gln Ala 290 295 300

Ser Phe Pro Gly Ala Asn Ile Ile Gly Asn Lys Met Ser Ala Ile Ser 305 310 315 320

Val His Gly Val Ser Thr Ser Gly Gly Gln Met Tyr His Tyr Asp Met 325 330 335

Asn Thr Ala Ser Leu Ser Gln Gln Gln Asp Gln Lys Pro Ile Phe Asn 340 345 350

Val Ile Pro Pro Ile Pro Val Gly Ser Glu Asn Trp Asn Arg Cys Gln 355 360 365

Gly Ser Gly Asp Asp Asn Leu Thr Ser Leu Gly Thr Leu Asn Phe Pro 370 375 380

Gly 385	Arg	Thr	Val	Phe	Ser 390	Asn	Gly	Tyr	Ser	Ser 395	Pro	Ser	Met	Arg	Pro 400
Asp	Val	Ser	Ser	Pro 405	Pro	Ser	Ser	Ser	Ser 410	Thr	Ala	Thr	Thr	Gly 415	Pro
Pro	Pro	Ser	Gly 420	Arg	Val	Gln	Glu	Glu 425	Leu	Cys	Leu	Val	Cys 430	Gly	Asp
Arg	Ala	Ser 435	Gly	Tyr	His	Tyr	Asn 440	Ala	Leu	Thr	Суз	Gly 445	Ser	Cys	Lys
Val	Phe 450	Phe	Arg	Arg	Ser	Val 455	Thr	Lys	Ser	Ala	Val 460	Tyr	Суѕ	Cys	Lys
Phe 465	Gly	Arg	Ala	Cys	Glu 470	Met	Asp	Met	Tyr	Met 475	Arg	Arg	Lys	Cys	Gln 480
Glu	Cys	Arg	Leu	Lys 485	Lys	Cys	Leu	Ala	Val 490	Gly	Met	Arg	Pro	Glu 495	Суѕ
Val	Val	Pro	Glu 500	Asn	Gln	Суѕ	Ala	Met 505	Lys	Arg	Arg	Glu	Lys 510	Lys	Ala
Gln	Lys	Glu 515	Lys	Asp	Lys	Met	Thr 520	Thr	Ser	Pro	Ser	Ser 525	Gln	His	Gly
Gly	Asn 530	Gly	Ser	Leu	Ala	Ser 535	Gly	Gly	Gly	Gln	Asp 540	Phe	Val	Lys	Lys
Glu 545	Ile	Leu	Asp	Leu	Met 550	Thr	Cys	Glu	Pro	Pro 555	Gln	His	Ala	Thr	Ile 560
Pro	Leu	Leu	Pro	Asp 565	Glu	Ile	Leu	Ala	Lys 570	Cys	Gln	Ala	Arg	Asn 575	Ile
Pro	Ser	Leu	Thr 580	Tyr	Asn	Gln	Leu	Ala 585	Val	Ile	Tyr	Lys	Leu 590	Ile	Trp
Tyr	Gln	Asp 595	Gly	Tyr	Glu	Gln	Pro 600	Ser	Glu	Glu	Asp	Leu 605	Arg	Arġ	Ile
Met	Ser 610	Gln	Pro	Asp	Glu	Asn 615	Glu	Ser	Gln	Thr	Asp 620	Val	Ser	Phe	Arg
His 625	Ile	Thr	Glu	Ile	Thr 630	Ile	Leu	Thr	Val	Gln 635	Leu	Ile	Val	Glu	Phe 640
Ala	Lys	Gly	Leu	Pro 645	Ala	Phe	Thr	Lys	Ile 650	Pro	Gln	Glu	Asp	Gln 655	Ile

Thr	Leu	Leu	Lys 660	Ala	Cys	Ser	Ser	Glu 665	Val	Met	Met	Leu	Arg 670	Met	Ala
Arg	Arg	Tyr 675	Asp	His	Ser	Ser	Asp 680	Ser	Ile	Phe	Phe	Ala 685	Asn	Asn	Arg
Ser	Tyr 690	Thr	Arg	Asp	Ser	Tyr 695	Lys	Met	Ala	Gly	Met 700	Ala	Asp	Asn	Ile
Glu 705	Asp	Leu	Leu	His	Phe 710	Cys	Arg	Gln	Met	Phe 715	Ser	Met	Lys	Val	Asp 720
Asn	Val	Glu	Tyr	Ala 725	Leu	Leu	Thr	Ala	Ile 730	Val	Ile	Phe	Ser	Asp 735	Arg
Pro	Gly	Leu	Glu 740	Lys	Ala	Gln	Leu	Val 745	Glu	Ala	Ile	Gln	Ser 750	Tyr	Tyr
Ile	Asp	Thr 755	Leu	Arg	Ile	Tyr	Ile 760	Leu	Asn	Arg	His	Cys 765	Gly	Asp	Ser
Met	Ser 770	Leu	Val	Phe	Tyr	Ala 775	Lys	Leu	Leu	Ser	Ile 780	Leu	Thr	Glu	Leu
Arg 785	Thr	Leu	Gly	Asn	Gln 790	Asn	Ala	Glu	Met	Cys 795	Phe	Ser	Leu	Lys	Leu 800
Lys	Asn	Arg	Lys	Leu 805	Pro	Lys	Phe	Leu	Glu 810	Glu	Ile	Trp	Asp	Val 815	His
Ala	Ile	Pro	Pro 820	Ser	Val	Gln	Ser	His 825	Leu	Gln	Ile	Thr	Gln 830	Glu	Glu
Asn	Glu	Arg 835	Leu	Glu	Arg	Ala	Glu 840	Arg	Met	Arg	Ala	Ser 845	Val	Gly	Gly
Ala	Ile 850	Thr	Ala	Gly	Ile	Asp 855	Cys	Asp	Ser	Ala	Ser 860	Thr	Ser	Ala	Ala
Ala 865	Ala	Ala	Ala	Gln	His 870	Gln	Pro	Gln	Pro	Gln 875	Pro	Gln	Pro	Gln	Pro 880
Ser	Ser	Leu	Thr	Gln 885	Asn	Asp	Ser	Gln	His 890	Gln	Thr	Gln	Pro	Gln 895	Leu
Gln	Pro	Gln	Leu 900	Pro	Pro	Gln	Leu	Gln 905	Gly	Gln	Leu	Gln	Pro 910	Gln	Leu
Gln	Pro	Gln 915	Leu	Gln	Thr	Gln	Leu 920	Gln	Pro	Gln	Ile	Gln 925	Pro	Gln	Pro

Gln Leu Leu Pro Val Ser Ala Pro Val Pro Ala Ser Val Thr Ala Pro 930 935 940

Gly Ser Leu Ser Ala Val Ser Thr Ser Ser Glu Tyr Met Gly Gly Ser 945 950 955 960

Ala Ala Ile Gly Pro Ile Thr Pro Ala Thr Thr Ser Ser Ile Thr Ala 965 970 975

Ala Val Thr Ala Ser Ser Thr Thr Ser Ala Val Pro Met Gly Asn Gly 980 985 990

Val Gly Val Gly Val Gly Gly Asn Val Ser Met Tyr Ala Asn 995 1000 1005

Ala Gln Thr Ala Met Ala Leu Met Gly Val Ala Leu His Ser His Gln 1010 1015 1020

Glu Gln Leu Ile Gly Gly Val Ala Val Lys Ser Glu His Ser Thr Thr 1025 1030 1035 1040

Ala

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17

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                                                                    17
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                                                                   17
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W,	
My C)	

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